

Title (en)

USE OF COMBINATIONS COMPRISING HOST DEFENSE INDUCERS AND BIOLOGICAL CONTROL AGENTS FOR CONTROLLING BACTERIAL HARMFUL ORGANISMS IN USEFUL PLANTS

Title (de)

VERWENDUNG VON KOMBINATIONEN, UMFASSEND INDUKTOREN DER WIRTSVERTEIDIGUNG UND BIOLOGISCHE WIRKSTOFFE ZUR KONTROLLE VON BAKTERIELL SCHÄDLICHEN ORGANISMEN BEI NUTZPFLANZEN

Title (fr)

UTILISATION DE COMBINAISONS COMPRENANT DES INDUCTEURS DE DÉFENSE HÔTE ET D'AGENTS DE PROTECTION BIOLOGIQUE POUR LUTTER CONTRE DES ORGANISMES NUISIBLES BACTÉRIENS DANS DES PLANTES UTILES

Publication

EP 3019014 B1 20180822 (EN)

Application

EP 14738507 A 20140710

Priority

- EP 13176096 A 20130711
- US 201361859467 P 20130729
- EP 2014064873 W 20140710
- EP 14738507 A 20140710

Abstract (en)

[origin: WO2015004260A1] The present invention relates to the use of a combination comprising at least one host defense inducer and at least one biological control agent in a synergistically effective amount for controlling bacterial harmful organisms in useful plants. The biological control agent is selected from specific microorganisms and/or a mutant of these strains having all the identifying characteristics of the respective strain, and/or a metabolite produced by the respective strain. In a preferred aspect of the invention the host defense inducer is isotianil or a combination of isotianil and acibenzolar-S-methyl. The present invention also relates to a method for controlling bacterial harmful organisms in useful plants by treatment with a combination comprising at least one host defense inducer and at least one biological control agent in a synergistically effective amount. A further aspect of the present invention is directed to method for controlling bacterial harmful organisms in useful plants by subjecting the plants to be protected against attack by bacterial harmful organisms to two or more sequential treatment blocks.

IPC 8 full level

A01N 43/80 (2006.01); **A01N 1/00** (2006.01); **A01N 43/56** (2006.01); **A01N 63/22** (2020.01)

CPC (source: EP US)

A01N 43/80 (2013.01 - EP US); **A01N 63/22** (2020.01 - EP US)

Cited by

CN112322521A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2015004260 A1 20150115; AR 096888 A1 20160203; AU 2014289202 A1 20160128; AU 2014289202 B2 20171026; CA 2917758 A1 20150115; CL 2016000031 A1 20160819; CN 105530815 A 20160427; CN 105530815 B 20180807; CR 20160019 A 20160229; EP 3019014 A1 20160518; EP 3019014 B1 20180822; ES 2699268 T3 20190208; JP 2016523951 A 20160812; JP 6568059 B2 20190828; KR 102258310 B1 20210601; KR 20160030245 A 20160316; MX 2016000260 A 20160516; MX 356092 B 20180514; MY 180570 A 20201202; PE 20160719 A1 20160811; PH 12016500064 A1 20160418; PH 12016500064 B1 20160418; PL 3019014 T3 20190329; RU 2016104424 A 20170816; US 10258040 B2 20190416; US 2016374341 A1 20161229

DOCDB simple family (application)

EP 2014064873 W 20140710; AR P140102573 A 20140711; AU 2014289202 A 20140710; CA 2917758 A 20140710; CL 2016000031 A 20160108; CN 201480049926 A 20140710; CR 20160019 A 20160108; EP 14738507 A 20140710; ES 14738507 T 20140710; JP 2016524834 A 20140710; KR 20167003137 A 20140710; MX 2016000260 A 20140710; MY PI2016700013 A 20140710; PE 2016000030 A 20140710; PH 12016500064 A 20160108; PL 14738507 T 20140710; RU 2016104424 A 20140710; US 201414903336 A 20140710